

ERECTABLE SHELTER WITH COLLAPSIBLE
CENTRAL ROOF SUPPORT

ABSTRACT OF THE DISCLOSURE

The erectable, collapsible shelter has a canopy with at least three sides and three corners, a leg assembly, and a perimeter truss linkage assembly having a plurality of perimeter truss pairs of link members connected to the leg assembly. The legs preferably have telescoping upper and lower sections with lower section for engagement with ground, and a slider member slidably mounted to the upper section of each of the legs. A canopy peak support assembly is provided that is movable between a raised position and a lowered position, with the canopy peak support assembly supporting the canopy above the top of the leg assembly in the raised position. The telescoping pole members comprise hollow first and second telescoping sections, with the second telescoping section having a spring loaded detent pin and an aperture for receiving the spring loaded detent pin, and the first telescoping section having a corresponding medially located aperture located medially of the proximal end for receiving the spring loaded detent pin, whereby when the apertures of the first and second telescoping sections are aligned, the first and second telescoping sections are locked together by the detent pin. A weighted internal stop member is slidably disposed within the first telescoping section for movement between a first position blocking the detent pin when the first telescoping section is below the second telescoping section and a second position not blocking the detent pin when the first telescoping section is above the second telescoping section. A second, proximal aperture is provided in the first telescoping section for receiving the spring loaded detent pin proximal to the medially located aperture, and a ramped channel for receiving the detent pin, such that when the detent pin is received in the second aperture, the detent pin locks the first and second telescoping sections from being disengaged, but the detent pin can slide distally from the second aperture along the channel.

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